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INTELLIGENT NETWORK AND METHOD FOR PROVIDING
VOICE TELEPHONY OVER ATM AND ALIAS ADDRESSING

ABSTRACT OF THE DISCLOSURE

5 An illustrative intelligent network and method for
providing voice telephony over ATM and alias addressing are
provided that can provide significant advantages. The
intelligent network includes a multi-service control point,
an ATM signaling intercept processor, and a service
administration. The multi-service control point receives
an input extracted from an input ATM setup message that
includes a called party phone number value and a VToA
10 designator, and generates an alias ATM address of a called
party CPE that corresponds to a network gateway in
communication with a PSTN switch through a plurality of
trunk lines and a desired trunk line of the plurality of
trunk lines. The multi-service control point generates an
15 output in response that will be used to generate an output
ATM setup message that includes the alias ATM address. The
ATM signaling intercept processor intercepts the input ATM
setup message from an ingress ATM edge switch of the ATM
network, extracts the input from the input ATM setup
20 message, communicates the input to the multi-service
control point, receives the output generated by the multi-
service control point, generates the output ATM setup
message using the output, and communicates the output ATM
setup message to the ingress ATM edge switch of the ATM
25 network. The service administration provisions the multi-
service control point and the ATM signaling intercept
processor. An illustrative method for providing VToA and
alias addressing is also provided.